

As discussed in an interview on or about October 4, 2002 between Examiner Lobo and Applicant's representative Russell Scott, Applicant respectfully traverses the §112, first paragraph, rejection of claims 1-20. In addition to reasons that were given in the interview and reasons given in previous Office Action responses, an Affidavit under 37 C.F.R. 1.132 is included herewith to further support the assertion that as understood by those of ordinary skill in the art, the term "coating," as set out in Applicant's claims, refers to a resistive film. The resistive film or coating is a type of electrically conductive material such as carbon, graphite, carbon fiber, mylar, or other metalized film. As stated in the specification, the "coating [is] an absorber-like material, in various shapes, over any type of substrate [that] is used to control the electrical properties of the matching network hybrid EMC absorber" (Application, page 10, lines 13-14). For at least these reasons, Applicant requests the Examiner to withdraw the 112 rejection of Applicant's claims.

Applicant respectfully traverses the §102(b) rejection of claims 1, 4, 5, 6, 7, 9, 10, 13, 14, 16, 18, 20 as being anticipated by Ellam. Ellam fails to teach, disclose, or otherwise suggest a matching network hybrid electro-magnetic compatibility absorber with a coating that covers a predetermined portion of the absorber's surface as recited in at least independent claim 9. For at least this reason, Applicant urges the Examiner to withdraw the §102(b) rejection of the above noted claims.


CONCLUSION

In view of the foregoing remarks and for various other reasons, Applicant submits that claims 1-20 are allowable and a Notice of Allowance is courteously solicited. If any impediment to the allowance of these claims remains after entry of this Request for Reconsideration and such impediment could be alleviated during a telephone interview, the Examiner is invited to telephone the undersigned so that such issues may be resolved as expeditiously as possible.

It is believed that no fees are due at this time. However, should any fees be deemed owing, please deduct these fees or credit any overpayment to the Akin, Gump, Strauss, Hauer & Feld Deposit Account No. 01-0660.

Respectfully submitted,

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ATTACHMENT A
(Pending Claims)

1. A matching network hybrid electro-magnetic compatibility absorber to
5 provide improved radio frequency absorbing performance in a frequency range of
approximately 20 MHz to approximately 500 MHz, comprising:
- a big element;
 - a small element that is located beneath the big element;
 - the big element comprises a big element surface;
 - 10 the small element comprises a small element surface;
 - a big element coating that covers a predetermined portion of the big element
surface; and
 - a small element coating that covers a predetermined portion of the small element
surface.
- 15 2. The matching network hybrid electro-magnetic compatibility absorber of
claim 1, wherein the matching network hybrid electro-magnetic compatibility absorber
comprises a substantially pyramid-like shape;
- the predetermined portion of the big element surface comprises less than an
entirety of the big element surface; and
 - 20 the predetermined portion of the small element surface comprises less than an
entirety of the small element surface.
3. The matching network hybrid electro-magnetic compatibility absorber of
claim 1, wherein at least one of the big element coating and the small element coating
comprises a substantially tear drop shape.
- 25 4. The matching network hybrid electro-magnetic compatibility absorber of
claim 1, wherein at least one of the big element coating and the small element coating
comprises a predetermined thickness.

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5. The matching network hybrid electro-magnetic compatibility absorber of claim 1, wherein the big element and the small element are separated by a predetermined distance.
6. The matching network hybrid electro-magnetic compatibility absorber of claim 1, wherein the big element comprises at least two surfaces; and a distance between the at least two surfaces comprises a predetermined thickness.
7. The matching network hybrid electro-magnetic compatibility absorber of claim 1, wherein the big element coating comprises a first material; and the small element coating comprises a second material.
8. The matching network hybrid electro-magnetic compatibility absorber of claim 1, further comprising at least one additional big element coating that covers at least one additional predetermined portion of the big element surface, the at least one additional predetermined portion of the big element surface being less than an entirety of the big element surface.
9. A matching network hybrid electro-magnetic compatibility absorber to provide improved radio frequency absorbing performance in a frequency range of approximately 20 MHz to approximately 500 MHz, comprising:
a layer comprising a surface; and
a coating that covers a predetermined portion of the surface.
10. The matching network hybrid electro-magnetic compatibility absorber of claim 9, wherein the coating comprises a predetermined shape.
11. The matching network hybrid electro-magnetic compatibility absorber of claim 9, wherein the layer comprises at least one additional surface; and at least one additional coating covers a predetermined portion of the at least one additional surface, the predetermined portion of the at least one additional surface

comprises less than an entirety of the least one additional surface.

12. The matching network hybrid electro-magnetic compatibility absorber of claim 9, further comprising at least one additional layer, the at least one additional layer comprises at least one additional surface; and

5 at least one additional coating covers a predetermined portion of the at least one additional surface, the predetermined portion of the at least one additional surface comprises less than an entirety of the least one additional surface.

13. The matching network hybrid electro-magnetic compatibility absorber of claim 9, further comprising at least two elements; and

10 at least one of the two elements comprises the layer.

14. The matching network hybrid electro-magnetic compatibility absorber of claim 9, wherein the layer comprises at least one additional surface; and

a distance between the surface and the at least one additional surface comprises a predetermined thickness.

15 15. The matching network hybrid electro-magnetic compatibility absorber of claim 9, wherein the coating comprises a predetermined thickness; and

the predetermined portion of the surface comprises less than an entirety of the surface.

16. A matching network hybrid electro-magnetic compatibility absorber,

20 comprising:

an absorber comprising a surface having a coating;

the coating comprising at least one of a coating type, a coating shape, a coating thickness, and a coating placement; and

at least one of the coating type, the coating shape, the coating thickness, and the

25 coating placement is varied as a design parameter to permit absorption of radio frequency

energy in a frequency range extending from approximately 500 MHz to approximately 40 GHz.

17. The matching network hybrid electro-magnetic compatibility absorber of claim 16, wherein the coating shape comprises a substantially tear drop shape.

5 18. The matching network hybrid electro-magnetic compatibility absorber of claim 16, wherein the coating covers an entirety of the surface.

19. The matching network hybrid electro-magnetic compatibility absorber of claim 16, wherein the coating covers less than an entirety of the surface.

20. The matching network hybrid electro-magnetic compatibility absorber of
10 claim 16, wherein the surface comprises at least one additional coating that comprises at least one of at least one additional coating type, at least one additional coating shape, at least one additional coating thickness, and at least one additional coating placement.